(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 26 May 2005 (26.05.2005)

PCT

(10) International Publication Number WO 2005/046614 A2

(51) International Patent Classification7:

A61K

(21) International Application Number:

PCT/US2004/037810

(22) International Filing Date:

12 November 2004 (12.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/519,427

US 12 November 2003 (12.11.2003)

(71) Applicant (for all designated States except US): THE-RION BIOLOGICS CORPORATION [US/US]; 76 Rogers Street, Cambridge, MA 02142 (US).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): PANICALI, Dennis, L. [US/US]; 114 Nonset Path, Acton, MA 01720 (US). MAZZARA, Gail, P. [US/US]; 22 Rangeley Road, Winchester, MA 01890 (US). GRITZ, Linda, R. [US/US]; 3 Emerson Street, Somerville, MA 02143 (US).
- (74) Agents: EISENSTEIN, Ronald, I. et al.; Nixon Peabody LLP, 100 Summer Street, Boston, MA 02110 (US).

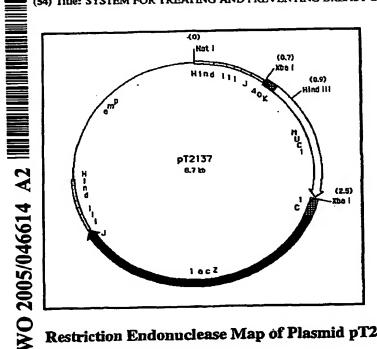
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR. GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guldance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SYSTEM FOR TREATING AND PREVENTING BREAST CANCER



(57) Abstract: The present invention is directed to a system for treating individuals at risk of or suffering from breast cancer. The system comprises administering to the individual a recombinant poxvirus, where the poxvirus contains in a foreign nucleic acid encoding at least one breast cancer antigen.

Restriction Endonuclease Map of Plasmid pT2137